XXVII TEFLON COATING (REPAIR OF BALL VALVES)

Α	1A. Does supplier have procedures for Teflon Coating?	YES	NO
	List procedures:		
	List Contract requirements		
	1B. Do procedures meet environmental laws?		
	1C. How does supplier ensure compliance to local Environmental laws?		
	Coating Spray Area	YES	NO
Α	2A. Supplier's Teflon Coating Spray Area enclosed or isolate	ed?	
Α	2B. Supplier's Teflon Coating Spray Area exhausted?		
	How?		
Α	2C. Are adequate controls in place to protect from contamination?		
Α	2D. Are adequate controls in place for Temperature, Humid and sources of contamination?	ity, 🗆	
В	2E. Adequate safety precautions established?	de)	

XX۱	VII TEFLON COATING (REPAIR OF BALL VALVES)	YES	NO
A	2F. Air supply for spray gun checked for moisture, oil, hydrocarbons?		
Α	2G. Spray gun checked for cleaniness prior to use?		
Α	2H. Written Procedures for cleaning spray gun? Method used:		
В	2J. What is the method to transport balls to spray area?		
В	2K. What is the method to handle balls during transport?	,	
Α	2L. Are balls protected from contamination? How?		
Α	Primer and Final Coat Material 3A. Are receipt inspections performed on Teflon coating material? List inspections performed:		
	List primer used:		
	List final coat used:		

XX	VII T	EFLON COATING (REPAIR OF BALL VALVES)	VEC	NO
Α	3B.	Are inspections performed on primer and final prior to use?	YES	
		(Temperature, shelf life, separation)		
		List others:		
A	3C.	Are inspections documented? Batch Numbers recorded?		
Α	3D.	Primer and final coat strained prior to use? List methods:		
Α	3E.	Storage requirements addressed? List method?		
Α	Ovei 4A.	ns Type of Curing oven?		
Α	4B.	Type of oxidizing oven?		
Α	4C. Meti	Written procedures for calibrating ovens?		
	Inte	rvals:		
	Last	calibration date:		

XXVII TEFLON COATING (REPAIR OF BALL VALVES) YES NO 4D. Are ovens exhausted? Method: Inspection and Prep of balls for Teflon coating (Ball repair only) 5A. Procedure for cleaning balls in the as-received condition? Α List: Α 5B. Document acceptance procedure to determine acceptance for repair? 5C. Are dimensions verified? Α 5D. Surface condition inspected? Α 5E. Generic tests performed to identify material? 5F. Results of inspections documented? Α 5G. Welding repair performed? Α

List procedures:

XXVII TEFLON COATING (REPAIR OF BALL VALVES) YES NO Α 5H. Additional Machining required to clean ball? List operations: List cutting fluids: List method for obtaining 16 RHR finish (prior to oxidizing): 5J. Cutting fluids or lubricant source of oil or hydrocarbons? 5K. Is ball inspected after machining or welding (dimensions porosity, surface finish) and documented? List others: Cleaning after final machining/welding П 6A. Are solvents used to clean balls? Α List solvents used: 6B. Solvents used a source of hydrocarbons? Α (If yes, note for question 6E.) 6C. Ball dried before final cleaning? List procedure: Α 6D. Ball protected from contamination during drying? Α 6E. Ball inspected for residual oils/hydrocarbons after cleaning/drying?

XXV	II TEFLON COATING (REPAIR OF BALL VALVES) Oxidizing of Ball Surfaces	YES	NO
Α	7A. Specified time between drying and Oxidizing?		
Α	7B. Specified temperature for Oxidizing?		
Α	7C. Specified method to verify Oxidation?		
Α	7D. Specified method to cool ball?		
Α	7E. Ball protected from contamination during cooling?		
Α	Final Surface Preparation prior to Teflon coating 8A. List elapsed time between oxidation and final surface preparation:		
Α	8B. Method use to obtain 32 RHR surface preparation (after Oxidizing):		
Α	8C. Method use for grit blasting:		
Α	8D. Does grit blasting remove the oxide coating?	Yes	No
Α	8E. Grit blasting equipment checked for sources of moisture, oil or hydrocarbons?		
Α	8F. Method used to clean ball after grit blasting:		
	List any solvents:		
Α	8G. Method use to dry ball after cleaning:		

XXV	II TEFLON COATING (REPAIR OF BALL VALVES)		
Α	8H. Ball inspected for residual oils/hydrocarbons after cleaning and drying?	Yes	No
Α	8J. Ball inspected for dimensions; before or after cleaning?	Before	After
Α	8K. Ball inspected for porosity; before or after cleaning?		
Α	8L. Ball inspected for surface finish; before or after cleaning?		
Α	8M. Ball inspected for other inspections; before/after cleaning? List inspections:		
Α	8N. Inspections documented?	YES	NO
A	80. How is ball handled and protected from contamination during inspection, cleaning and drying:		
Α	Procedure used for applying prime coating 9A. Elapsed time between final surface preparation and application of primer coat:		
Α	9B. Number of final coats:		
Α	9C. Thickness of coats:		
A	9D. Elapsed time between coats:9E. Inspection for continuous and discontinuous coat		

XXVII TEFLON COATING (REPAIR OF BALL VALVES)

Α	9F. Method of drying primer coat:		
Α	9G. Method used to protect material from contamination during drying:		
A	9H. Is spray gun cleaned after primer coat?	YES	NO
A	Fusing/curing of primer coat 10A. Elapsed time between spray coating and curing:		
Α	10B. Is material protected from contamination in transporting to ovens?	YES	NO
Α	10C. Oven temperature settings:		
Α	10D. Method used to determine when primer is cured:		
A A	10E. Temperatures and times in oven recorded?10F. Method used to cool ball after curing:	YES	NO
Α	10G. Ball cleaned after cooling?	YES	NO
Α	10H. Primer coat inspected after cooling (Visual, Thickness, Adhesion, or other)		

XX ^v	VII TEFLON COATING (REPAIR OF BALL VALVES) 10J. Inspections documented?	YES	NO
Α	10K. Material protected from contamination while staging for final Teflon coating?		
Α	Procedure used for applying final Teflon coating 11A. Elapsed time between primer and final application:		
Α	11B. Number of final coats:		
Α	11C. Thickness of coats:		
Α	11D. Elapsed time between coats:		
Α	11E. Inspection for proper final coat application?	YES	NO
Α	11F. Method of drying final coat:		
Α	11G. Method used to protect material from contamination during drying:		
Α	11H. Is spray gun cleaned after final Teflon coat?	YES	NO
Α	Fusing/curing of final Teflon coat 12A. Elapsed time between spray coating and curing:		

XX	/II TI	EFLON COATING (REPAIR OF BALL VALVES)	YES	NO
Α	12B.	Is material protected from contamination in transporting to ovens?		NO
Α	12C.	Oven temperature settings:		
Α	12D.	Method used to determine when final Teflon is cured:		
Α	12E.	Temperatures and times in oven recorded?	YES	NO
Α	12F.	Method used to cool ball after curing:		
Α	12G.	Ball cleaned after cooling?	YES	NO
Α	12H.	Final coat inspected after cooling (Visual, Thickness, Adhesion, or other)	YES	NO
Α	12J.	Inspections documented (i.e., adhesion test) ?	YES	NO
Α		Explain how final Teflon coating inspections are documented.		